U.S. Department of Transportation
Research and Special Programs Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0351/S, REVISION 4

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency[1] and the United States of America[2] for the transport of radioactive materials.

1. Source Identification - Isotope Products Laboratories (IPL) Model N-252.

2. Source Description - The body of the welded doubly encapsulated cylindrical source is constructed of Type 304 or 304L stainless steel and measures 32.5 mm (1.28") long x 9.4 mm (0.37") in diameter. On the center of the end opposite the weldment is a threaded stud that is 5.08 mm (0.2") long maximum. Construction must be in accordance with IPL Drawing Nos. A3004 and 3014 (attached).

3. Radioactive Contents - This neutron souurce consists of not more than 185 MBq (5mCi) of Cf-252 as Cf_2O_3 in aluminum, ceramic, or palladium metal.

4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations[1] shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

5. Expiration Date - This certificate expires March 31, 2005.

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated December 2, 1999 and February 3, 2000 submitted by Isotope Products Laboratories, Burbank, CA, and in consideration of other information on file in this Office.

Certified by:

Robert A. McGuire
Acting Associate Administrator for
Hazardous Materials Safety

MAR 23 2000
(DATE)

Revision 4 - Issued to upgrade to 1985 IAEA standards and to extend the expiration date.

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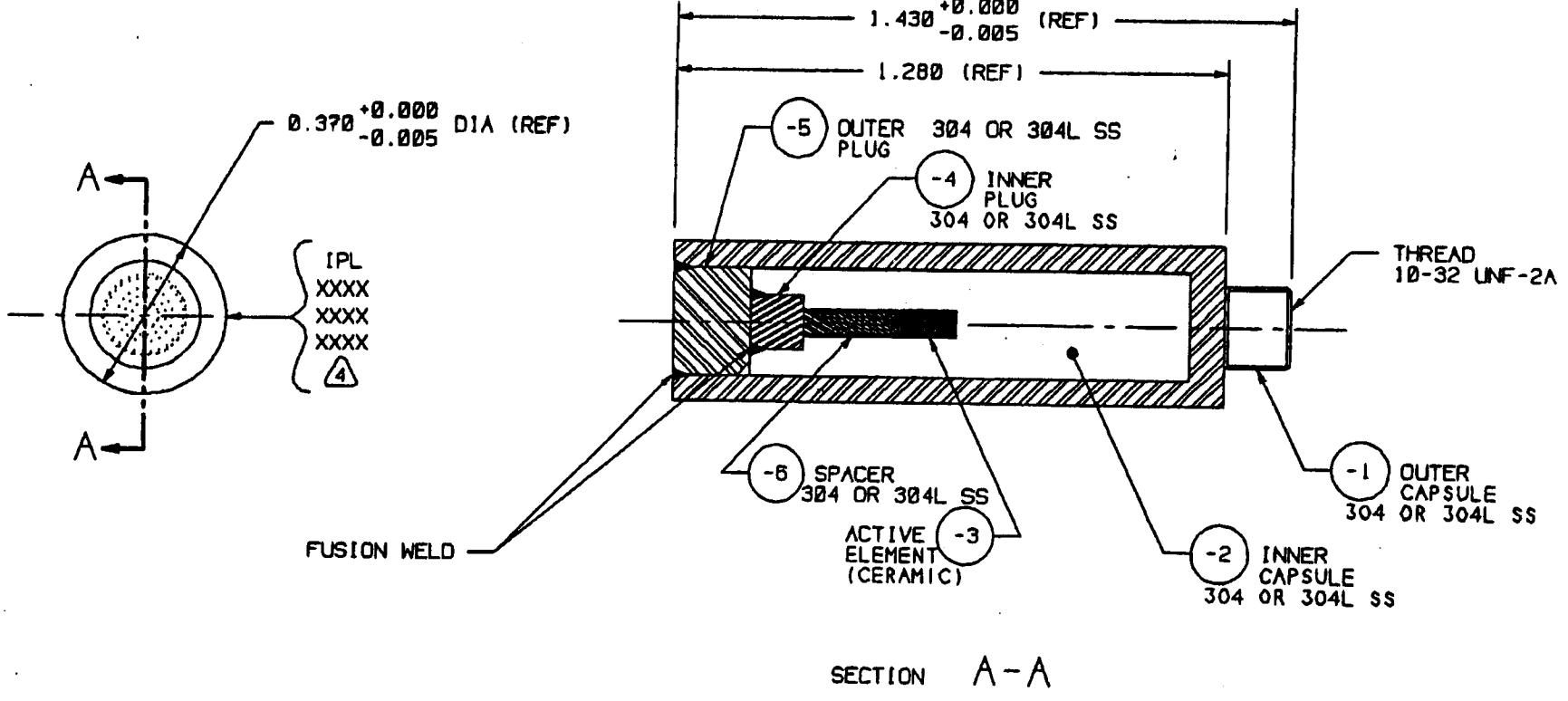
1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990" , published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.



SECTION A-A

5. INDIVIDUALLY PACKAGE AND IDENTIFY PART NUMBER THEREON

4 ENGRAVE CHARACTERS 0.060 HIGH × 0.003 DEEP MAX AS SHOWN: (BLACK FILL)
IPL
NUCLIDE
ACTIVITY
SERIAL NUMBER

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3. TOLERANCES: 0.XXX ±0.002, 0.XX ±0.01, 0.X ±0.1, ANGLE ±0.5°
2. DIMENSIONS ARE IN INCHES
1. ASSEMBLE COMPLETE PER ENGINEERING DRAWING AND FUSION WELD AS REQUIRED

NOTE: UNLESS OTHERWISE SPECIFIED

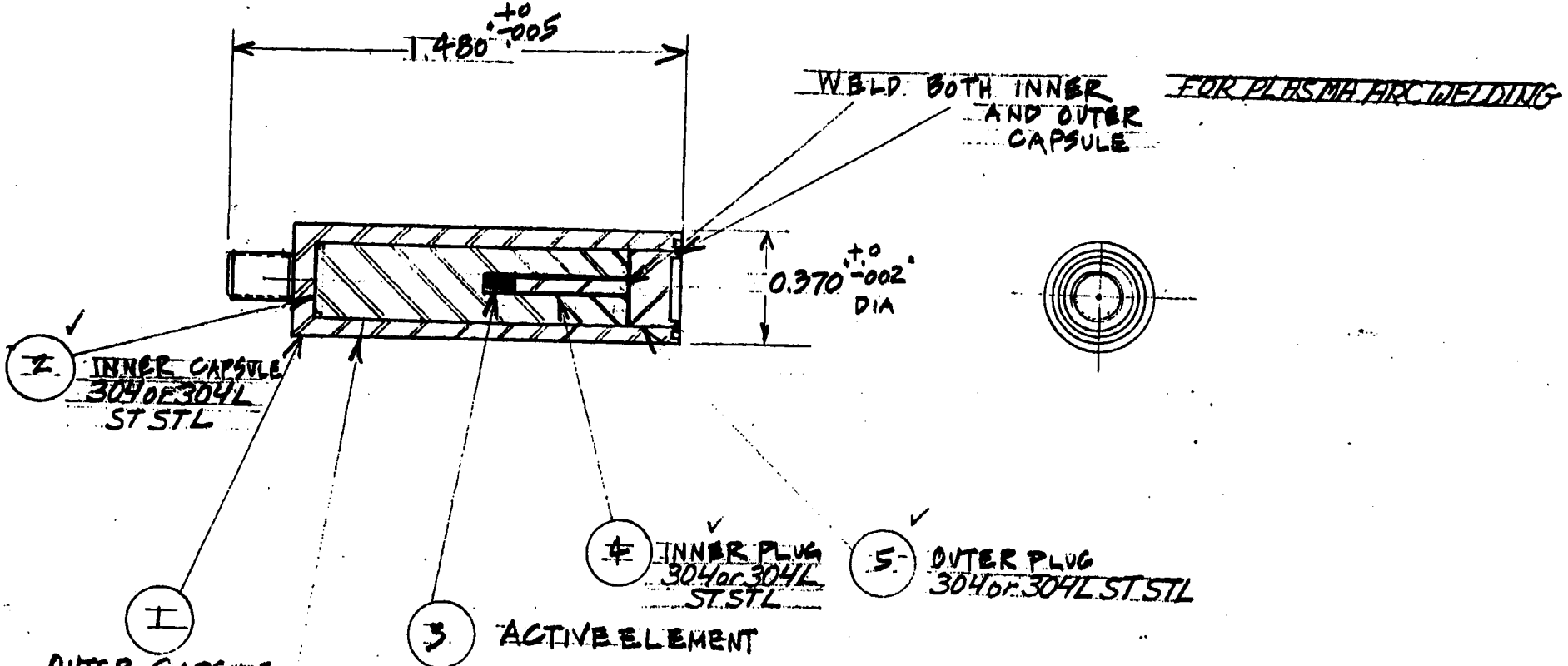
P/N: A3014 ASSEMBLY, NEUTRON SOURCE

ISOTOPE PRODUCTS LABORATORIES
BURBANK, CALIFORNIA 91504

SCALE: NTS	APPROVED: Michael Davis 11/2/99	DESIGNED: JMD/RLT
DATE: 05/16/88		REV/CHG: E
TITLE: NEUTRON SOURCE		SHEET: 3 OF 8
SERIES: HIGH INTENSITY GAMMA AND NEUTRON SOURCE (HEG SERIES CAPSULES 193, 225 & N-252)		DRAWING NUMBER 3014

ASSEMBLY

ACTUAL SIZE



ENGRAVE
IPL
ISOTOPE
ACTIVITY
SOURCE NO

ANSI 43333 SPECIAL FORM

ISOTOPE PRODUCTS LAB

APPROVED BY	DATE
ENG. ERW	11-21-86
QUALITY ASSURANCE	12/2/86
PRODUCTION JMC	12/2/86

ISOTOPE PRODUCTS LABORATORIES

BURBANK, CALIFORNIA 91504

SCALE: 2 TO 1	APPROVED BY:	DRAWN BY: EW
DATE: NOV 20, 86		REVISED A 9/15/88

NEUTRON SOURCE
MODEL SR-CF-100

HIGH INTENSITY GAMMA AND NEUTRON SOURCES

DRAWING NUMBER A3004